

Amend the paragraph starting at page 5, line 15 and ending at page 5, line 25 as follows:

Sending the data held in objects in a type system (e.g. Java type system) through HTTP using XML (as is done using SOAP) requires that the objects be first marshalled to XML and then on the other end, to be unmarshalled from XML into new objects (in Java programming language or another programming language). Information needed to build those Java type system objects is usually stored in a database or comes from a legacy system. It is a common programming problem to need to convert between several type systems such as Java type system, XML type system or SQL type system and using various XML vocabularies. Although it might be possible to have generic code doing those tasks (if using Java type system with the reflection API (Application Program Interface) for instance), such code could not perform as well as specific code written for each object and usually does not perform well enough. Hand writing specific code such as the one to do the marshalling and unmarshalling between Java and XML is a daunting task, error prone and difficult to maintain.

Amend the last paragraph on page 5, as follows:

Previous attempts at marshalling and unmarshalling Java objects to/from XML as well as persisting and retrieving Java objects to/from a database have been made. Examples are the following: Quick 1.2 and Exolab Castor 0.8.8.

Delete the first paragraph on page 6 as follows:

~~Quick 1.2 : <http://www.jxml.com/index.html>~~

~~EXOLAB CASTOR 0.8.8 : [HTTP://CASTOR.EXOLAB.ORG/](http://CASTOR.EXOLAB.ORG/)~~

~~Adelard : <http://java.sun.com/xml/docs/binding/DataBinding.html>~~